

Amendment To The Claims:

Please cancel claim 8 without prejudice or disclaimer.

1. (Previously Presented) A display device to be installed in an instrument panel of a vehicle, comprising:

a three-color emission light source;

a screen having a predetermined curved surface;

an image generator for outputting an image signal of an image to be displayed, said image generator including image data previously distorted according to the predetermined curved surface of said screen and an image control section outputting an image signal depending on said image data;

an image projector for processing light from said three color emission light source by use of the image signal outputted from said image generator and for projecting an image on said screen of the predetermined curved surface, and

a projection optical system through which the image is projected to said screen,

wherein said image projector allows an aberration shape of an optical system on a projected image to substantially coincide with the shape of the predetermined curved surface of said screen.

2. (Original) The display device according to claim 1,

wherein the shape of the projection curved surface of said screen is a curved surface shape between Petzval surface by a curvature of field of a projection optical system and a tangential image surface of astigmatism and a spherical image surface.

3. (Original) The display device according to claim 1,

wherein said screen is made to have a projection surface of a convex surface relative to said projection optical system in the case where a distortion of said projection optical system is pin-cushion type, and made to have a projection surface of a concave surface relative to the projection optical system in the case where the distortion of said projection optical system is a barrel type.

4. (Original) The display device according to claim 1,

wherein said image projector performs a processing to distort an image signal in advance, which is outputted from said image generator, and makes an aberration shape of said projection optical system substantially coincide with the shape of the projection curved surface of said screen.

5. (Previously Presented) The display device according to claim 1,

wherein the surface shape of said screen is continuous with peripheral members including a support member in the vehicle, in which the display device is built in, in design.

6. (Previously Presented) The display device according to claim 1,

wherein said screen is divided into a plurality of projection sections,
each projection section is arranged so as to be directed to a driver and/or passengers in the vehicle,

said image projector projects different display information to each of the projection sections, and

said projection sections includes a first projection section to be displayed with the information necessary to the driver, a second projection section to be displayed with the information necessary to both the driver and the passengers, and a third projection section to be displayed with the information unnecessary to the driver for the driver.

7. (Previously Presented) A display device to be installed in an instrument panel of a vehicle, comprising:

a light source;

a color separation device for separating light from said light source into three primary colors of RGB;

an integrator for controlling the light from said color separation device so as to make the light uniform in brightness and substantially parallel;

a screen having a predetermined curved surface;

image generating means for outputting an image signal of an image to be displayed, said image generating means including an image data previously distorted according to the predetermined curved surface of said screen and an image control section outputting an image signal depending on said image data;

image projecting means for processing light from said integrator by use of the image signal outputted from said image generating means and for projecting an image on said screen of the predetermined curved surface, and

a projection optical system through which the image is projected to said screen,

wherein said image projecting means allows an aberration shape of an optical system on a projected image to substantially coincide with the shape of the predetermined curved surface of said screen.

Claim 8 (Cancelled)